

Usability of a Technology Website for Teachers: Productivity Tools Made Easier



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You are trying to access this site to find teacher tools, but you can't seem to find it...what would you do next?



- A. Click on every menu item**
- B. Call for help**
- C. Ask my fellow teachers for help**
- D. Give up and move on**

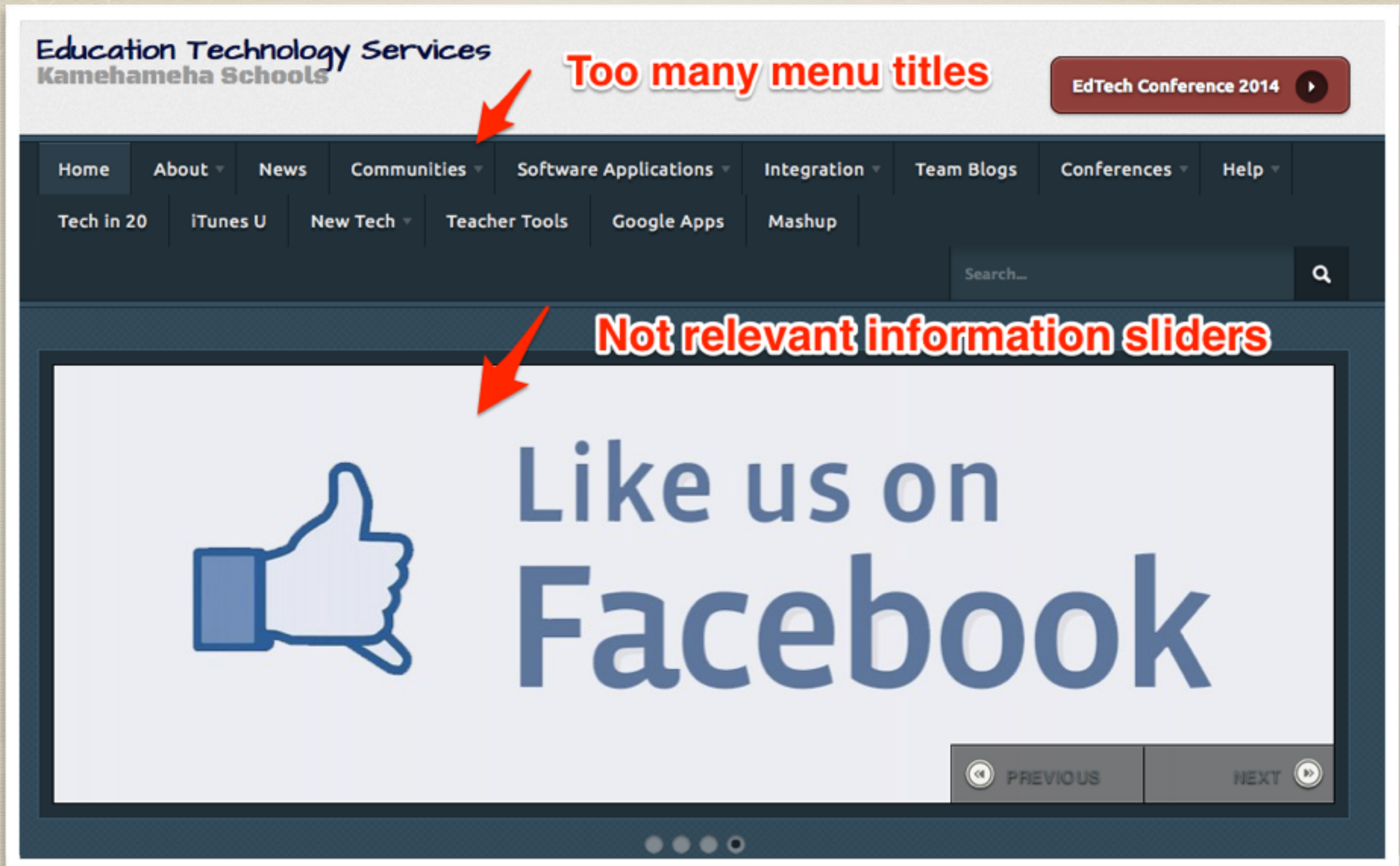
The Problem?

The purpose of this usability study was to assess the functionality of a website designed for high school teachers (grades 9-12), and to better understand how teachers learn about specific technology resources intended to enhance productivity at a private school in Honolulu, Hawaii.

The Problem?



What was the Design?



What was the Design?

Education Technology Services
Kamehameha Schools

Productivity tools difficult to locate

EdTech Conference 2014

Home About News Communities Software Applications Integration Team Blogs Conferences Help

Tech In 20 iTunes U New Tech Teach

KS Standard Apps
Approved Web Apps 2013
Piloted Web Apps 2013
Other Apps

Adobe Acrobat
ADP
Backup / Restore
Blackboard (SP12-New)
Chancery SMS
Digital Store Front
EGP & KS Connect
KS Website
Microsoft Office 2011
Microsoft Outlook
OS X Lion
OS X Mountain Lion
Printer Set Up
Uploading to EGP and Black Board from KS Connect







Teacher Tools

This page will provide information useful in setting up your classes for Easy Grade Pro E and how to use KS Connect.


{ Edit }

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 **Wendy Oliver** @WendyLOliver 11h

Ideas and educational philosophies of Coding
#unconference #ksmashup

MASHUP

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What was the Design?

Home About ▾ News Communities ▾ Software Applications ▾ Integration ▾ Team Blogs Conferences ▾ Help ▾

Tech in 20 iTunes U New Tech ▾ Teacher Tools Google Apps Mashup

Search... 

This is what the current page contains

EGP & KS Connect




Not linked to anything

[KSC-EGP_Setup20121_rv7-30-13](#)

A simple PDF with no clear images

Instructional Design

Mayer's 2011 Multimedia Design Principles

Multimedia

Coherence

Contiguity

Personalization

Modality

Segmenting

Redundancy

Pre-Training

Human Voice

Individual Differences

What was the Design Change?



What was the Design Change?

The screenshot displays the ETS Copy Kamehameha Schools website. At the top left is the logo "ETS Copy Kamehameha Schools". To the right is a red button with the text "#ksfaculty Twitter Hashtag" and a play icon. Below these is a dark navigation bar with links: Home, About, News, Teacher Tools, Communities, Software Applications, Integration, and Help. A red arrow points to the "Teacher Tools" link, with a red text box above it stating "Productivity Tools easier to locate with larger fonts and simple titles". Below the navigation bar, the "Teacher Tools" section is expanded, showing a list of links: "KS Connect Information", "Blackboard Information", "KS Connect – How to get student files for Easy Grade Pro", "Easy Grade Pro – Setting Up Your Gradebook", "Uploading Your Basmati file to KS Connect", and "Blackboard (Bb)- Adding students to Bb Course". To the left of this list is a large image of students in a classroom, with the text "Kamehameha Education Technology" overlaid. To the right is another large image of students in a classroom. At the bottom right of the right image are "PREVIOUS" and "NEXT" navigation buttons.

ETS Copy
Kamehameha Schools

Productivity Tools easier to locate with larger fonts and simple titles

#ksfaculty Twitter Hashtag

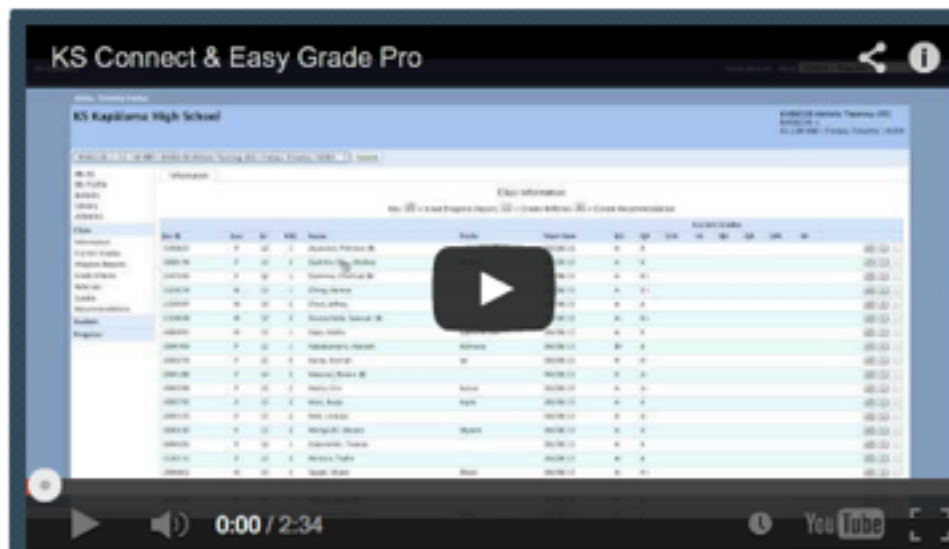
Home About News **Teacher Tools** Communities Software Applications Integration Help

KS Connect Information
Blackboard Information
KS Connect – How to get student files for Easy Grade Pro
Easy Grade Pro – Setting Up Your Gradebook
Uploading Your Basmati file to KS Connect
Blackboard (Bb)- Adding students to Bb Course

Kamehameha Education Technology

PREVIOUS NEXT

What was the Design Change?



New Design included:

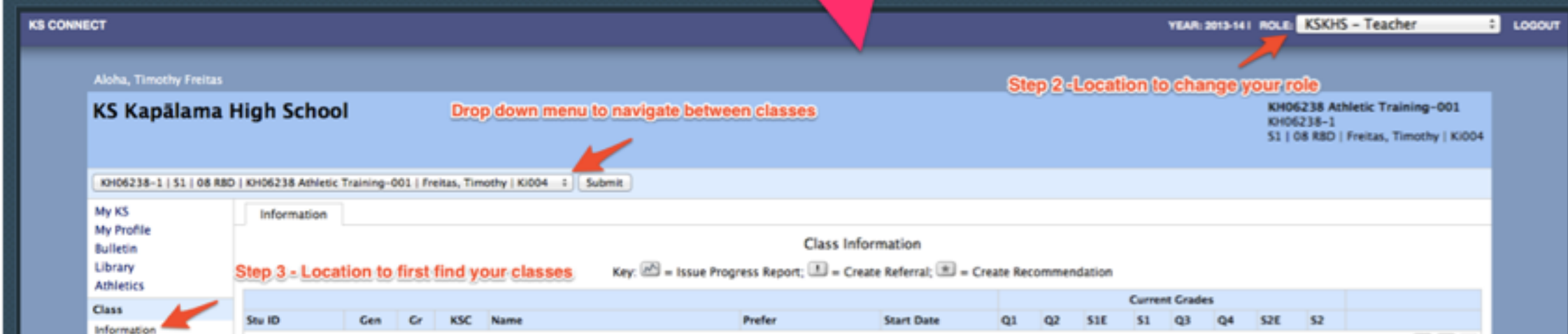
1. A Video Tutorial

2. Clearer Directions and Images

LOGGING INTO KS CONNECT

Step 1: Login to KS Connect (<http://connect.ksbe.edu/>).

Step 2: Verify that your role is a teacher by looking at the current selection in the "Role" pop-up menu on the top right section of the page. If it is not teacher, then select teacher in the menu.



Step 2 - Location to change your role

Drop down menu to navigate between classes

Step 3 - Location to first find your classes

Step 3: Click on "Information" in the "Class" section.

Demographics

- 2 males and 4 females
- Age range of 25 to 60
- 2 to 30 years of teaching
- All reported using the Internet on a daily basis
- All completed a set of 8 scenarios while navigating the KS ETS website.



The Design?

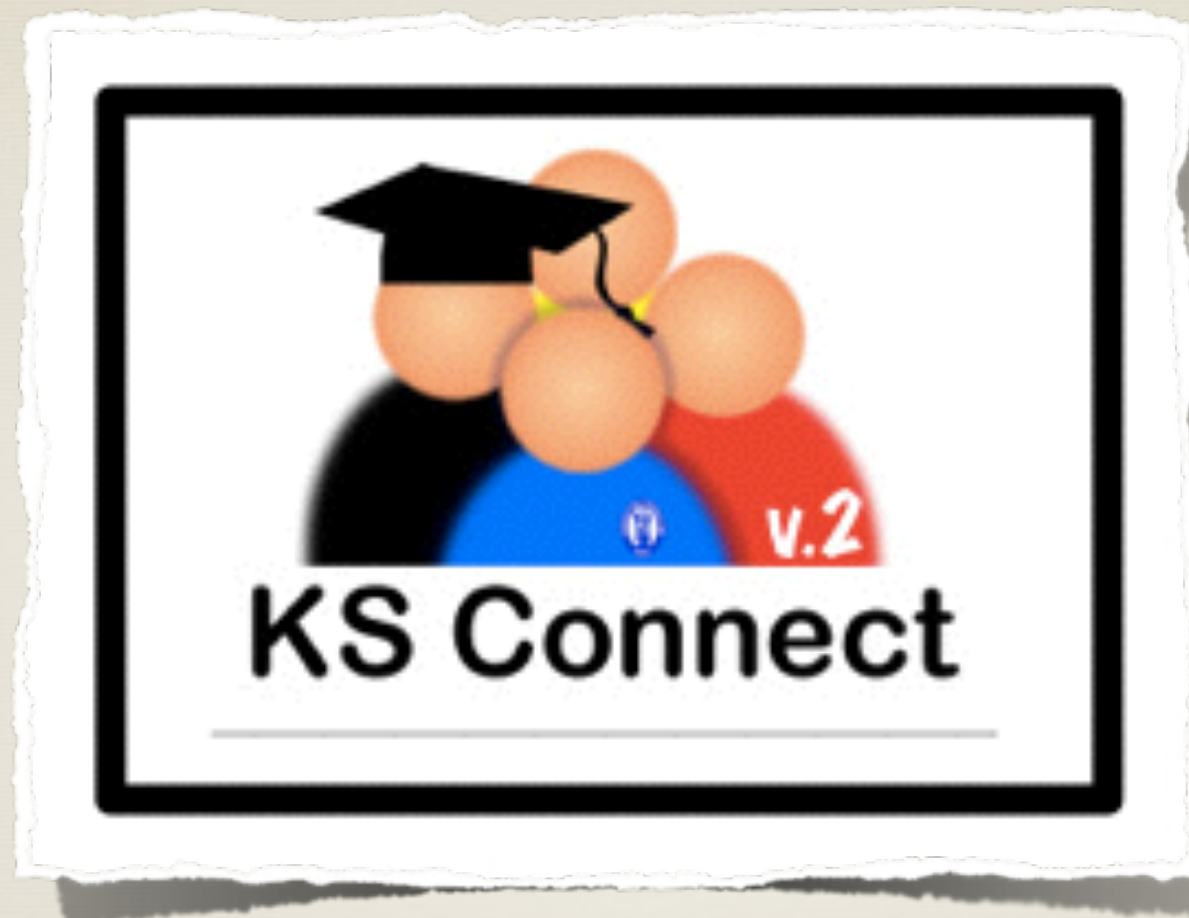


Developer watching videotape of usability test.

The Design?

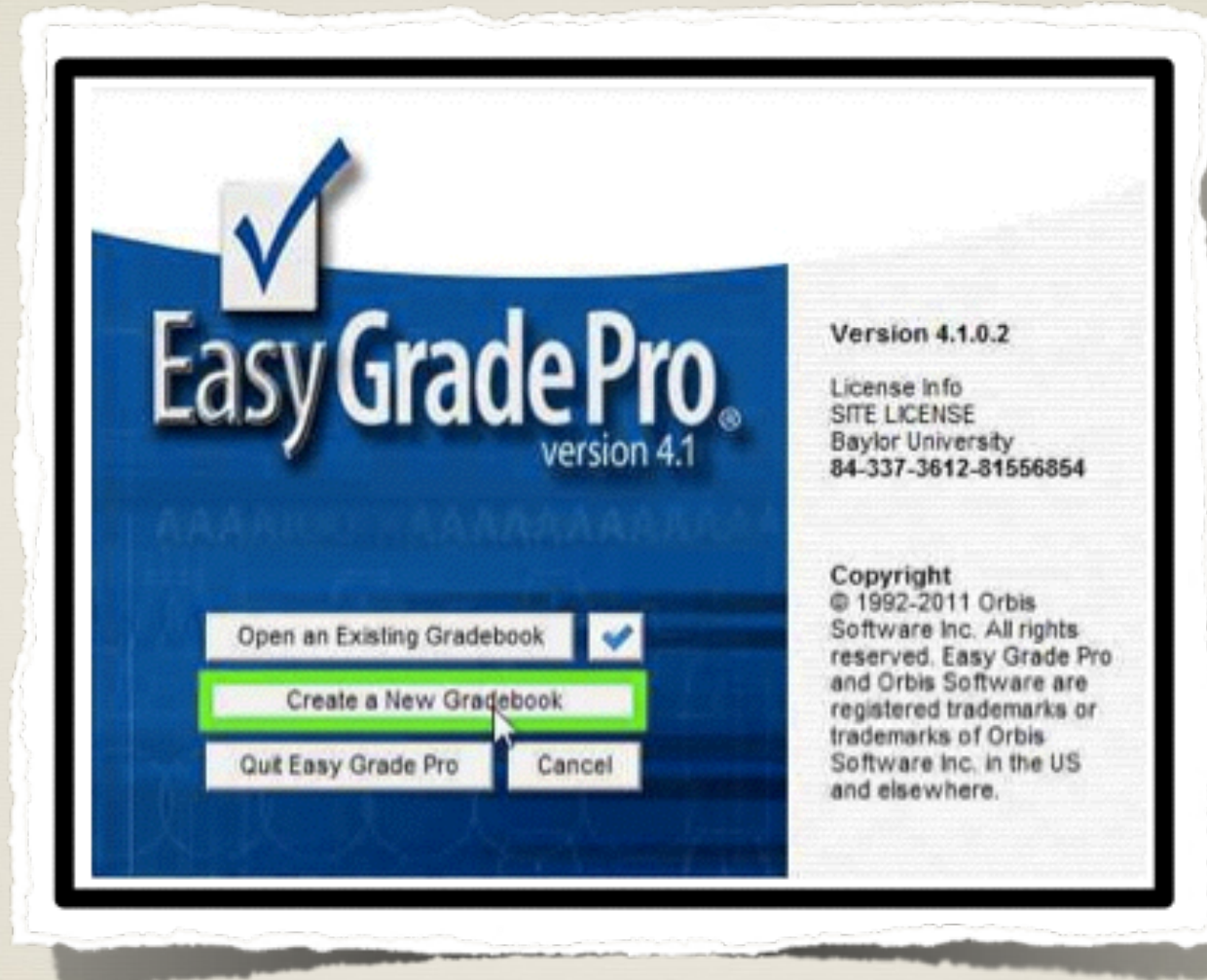


The Problem?



#2 - Navigating the ETS website and locate the proper link to access KS Connect and the correct link to download one of your classes.

The Problem?



#4: Navigate the KS Ed Tech Site to set up Easy Grade Pro

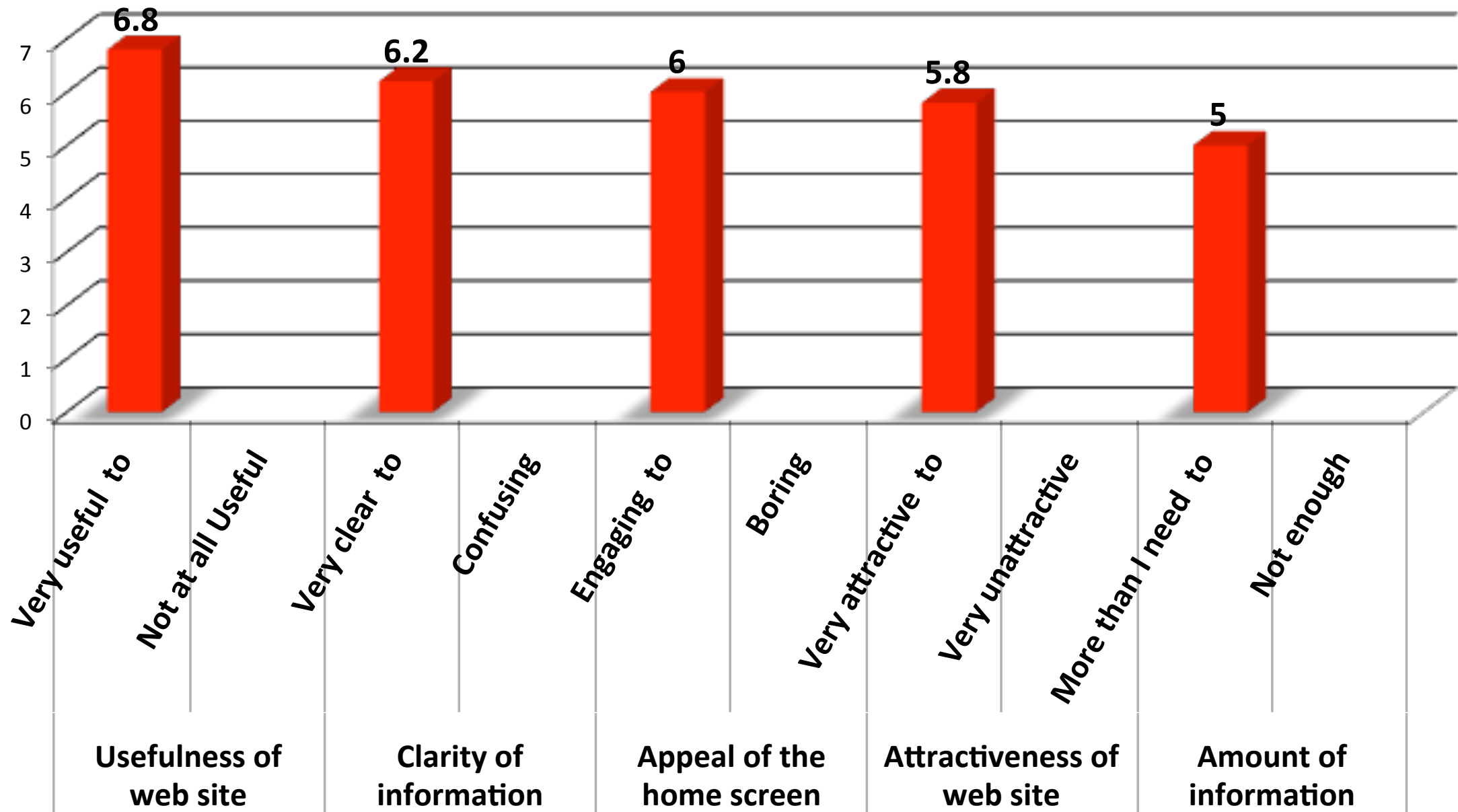
The Problem?



#8 -Navigate the ETS website to learn and complete enrollment of students into Blackboard.

Findings

Mean Rating on 7-Pt. Scale



Findings

Positive feedback included:

- Teacher oriented
- Simple in design
- Easy to navigate
- Clear menus
- Clear informational steps
- **“One-Stop Shop”**

Findings



Findings

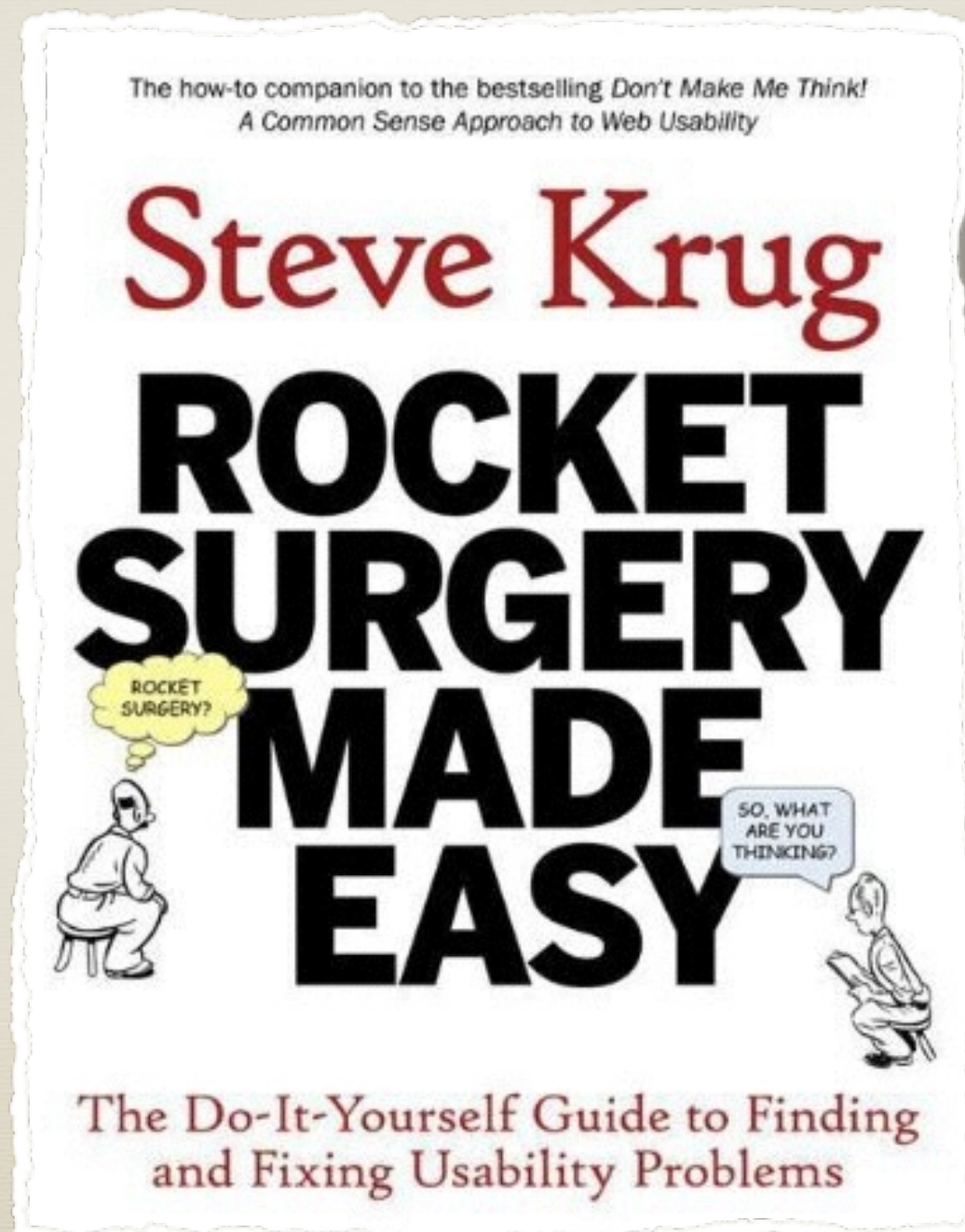
Helpful Feedback provided included:

- Larger images & directions for Safari and Firefox browsers
- Directions to enlarge the embedded video tutorial
- Inform viewers to scroll down after the video to see more
- Menu tab titled “Teacher Tools” should be moved
- Sub drop down arrows were difficult to view
- Better directions on how to add individual students

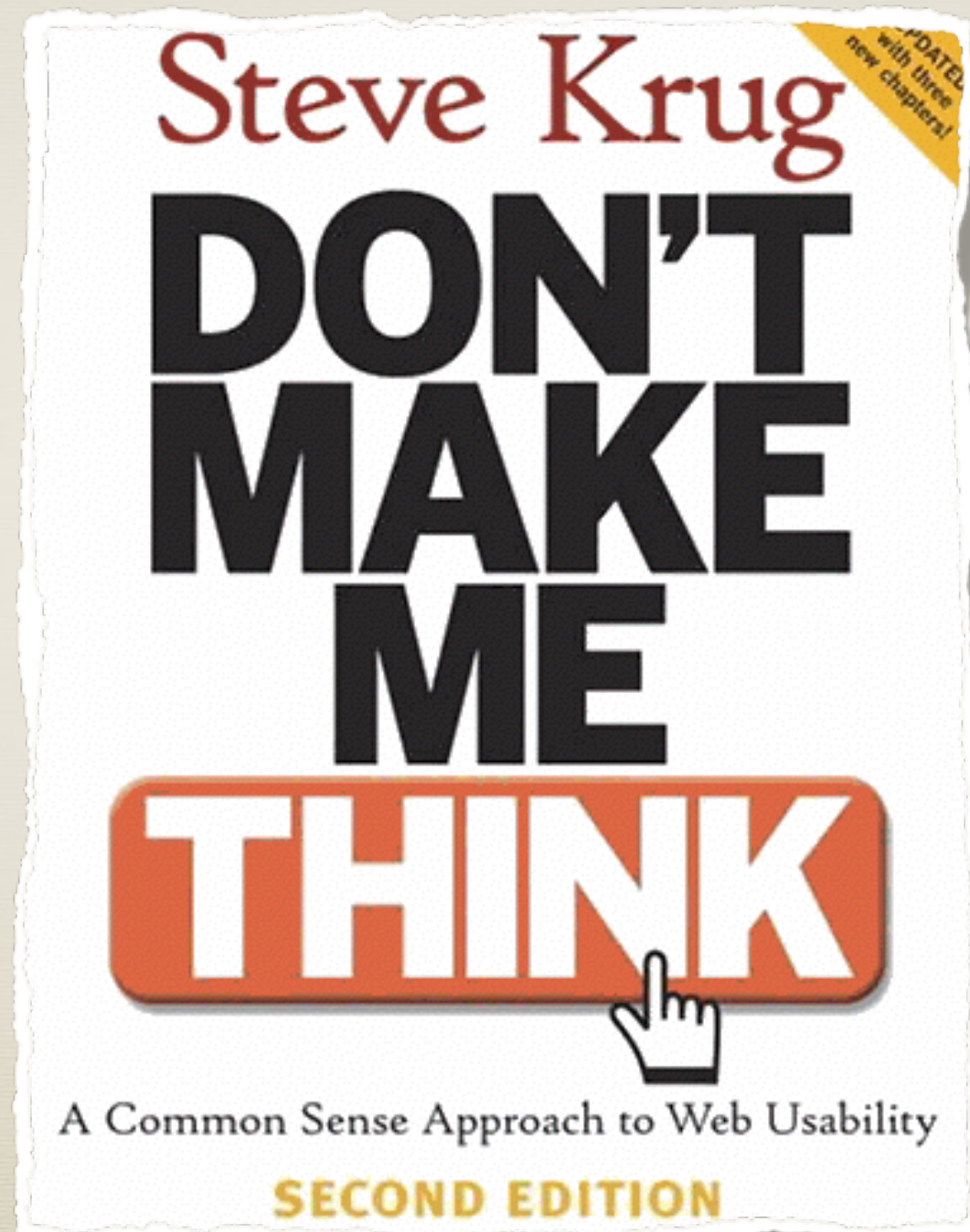
Discussion



Discussion



Discussion



Final Thoughts

if a user is
having a problem,
it's our problem

-Steve Jobs



meahameha Schools
Education Technology Services

Mahalo!

Thank you:

ETEC professors

Fellow classmates

My ETS Team

and my family

Any
Questions

